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# CAMPUS NOTES

## ARCHITECTURE

The department of architecture this year is starting on a new five-year curriculum in architecture and architectural engineering. Of the additional year about half is technical and professional and the remaining half is elective and must be taken outside the college of engineering.

## CIVIL

Most interesting of the enterprises of the civil engineering department during the summer was the survey of the Susquehanna River from Clark's Ferry to Shickshinny, a distance of 86 miles. The work was done for the War Department under the direction of Professor R. C. Sloane, assisted by Professors J. M. Montz and C. H. Wall, and instructors O. J. Marshall and C. W. Allen. They directed the work of twenty-four juniors and sophomores working for credit in summer surveying.

It is customary to excuse those juniors and sophomores who have jobs for the summer, and run the summer camp for those who have not. This year the boys who went to summer camp made more money than those who got jobs elsewhere. At the conclusion of camp (at which the boys made enough to pay all expenses during the first six weeks from June 16 to July 28) the U. S. Government hired all who would remain for the balance of the summer, at salaries of \$150 per month or more, according to proficiency they had developed. Those who remained completed the survey of the river from Shickshinny to the New York State line, a distance of more than a hundred miles. This part of the work was under the direction of instructor O. J. Marshall.

The scenery along the Susquehanna is very beautiful and the river is nearly a mile wide at places, and dotted with islands. Transit lines were run up both sides of the river from Clark's Ferry north to where the main river branches. From there, on to the New York state line, lines were run on both sides of the river only as needed. At some places the valley was so wide that four lines were run from which to catch all the topography of the valley. The purpose of the survey was to furnish maps of the entire river for flood and power studies by the government. The river was sounded on cross-sections every half mile or less. All work was tied to true meridian by observation on the stars, and the levels were checked against the government bench marks at the New York line.

Previous elevations in Pennsylvania were discovered to be wrong by from seven to fifteen feet on the upper river. The elevations established by Ohio State surveyors were accepted by the towns along the way and by the government. The completed maps of the summer camp were turned over to the government officials within a few hours after the field surveys were finished.

The accuracy and rapidity with which the work was done is attested by the following letter received at Brown Hall just before the camp was finished.

WAR DEPARTMENT  
UNITED STATES ENGINEER OFFICE  
300 CUSTOMHOUSE  
BALTIMORE, MD.

July 21, 1930.

Professor C. E. Sherman,  
Department of Civil Engineering,  
Ohio State University,  
Columbus, Ohio

My dear Professor:

As Professor R. C. Sloane leaves our work to return to Ohio I wish to express my appreciation of his conduct of the camp. He and his associates have exceeded our expectations in the amount and quality of work done. I have found the Professor agreeable to deal with and have observed him to be a first-class organizer and executive as well as an energetic pusher of the work. The problem undertaken by him was not an easy one and a less able man might easily have failed in accomplishing results. I am pleased to have had him with us.

I am keeping most of the young men on the work for a couple of months longer, and will endeavor to turn them all back to you about the first of October in good trim for class room work.

Very truly yours,

WARREN T. HANNUM,  
*Lt. Col., Corps of Engineers,  
District Engineer.*

R. C. Sloane, after returning from summer camp, acted as special inspector for the State Highway Department on asphalt pavements in various parts of the state. The nature of that work is that of "trouble shooter," that is, detecting causes in imperfect work due to unknown reasons in either materials or methods.

J. M. Montz, after returning from the summer surveying camp on the Susquehanna, took a trip to his old home in Virginia and spent the balance of the summer with the State Highway Department in the Bureau of Bridges, Division of Grade Crossing Elimination.

Kenneth B. Woods is the new part-time instructor in civil engineering replacing Charles W. Allen, resigned. The latter goes with the American Telephone and Telegraph Company.

The fall meeting of the American Society of Civil Engineers was attended by Professor C. T. Morris, one of the Board of Directors of A.S.C.E., and his wife. They were accompanied by William E. Burroughs, C.E. 4, president of the Student Chapter.

The meeting was held in St. Louis, Mo. There were approximately 600 members, representing the United States from coast to coast, present. More than 180 student members from the more western universities were there, Vanderbilt, Iowa State, Missouri School of Mines, Rose Polytechnic Institute, Kansas, Missouri, Washington, Illinois, and Ohio State being the universities represented. Friday, October 1, a student conference was held. At this conference the different ways of conducting A.S.C.E. student meetings was discussed.

The whole week's activities were very interest-

(Continued on Page 24)

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### CAMPUS NOTES

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ing and every hospitality was shown to the visiting members by the St. Louis Section. Friday afternoon an opportunity was given the members to take an airplane ride. Needless to say that the representatives from Ohio State availed themselves of this chance to see St. Louis by air.

### ELECTRICAL

A new heating system has been installed in the communications lab. The lab has been remodeled in several other respects.

Several new machines have been added to the equipment; new d.c. and a.c. dynameters for testing motors were installed and a phase shifting machine for advanced courses. The a.c. dynameter is the first machine of its type in this country.

The Ohio State Radio Club invites all freshmen and upperclassmen who are interested in amateur radio to drop around at the "shack" which is just south of the WEOA towers.

### INDUSTRIAL

"Chief" Younger says that all the sections in his department are filled up and that new sections have been opened. He says he has a fine lot of new men this year. (As usual?)

### MECHANICAL

The mechanical engineering departments reports an increase in enrollment over last year.

### MINE

The miners' inspection trip was held during the latter part of June. The mines at Mascot, Tenn., Copperhill, Tenn., and Jenkins, Ky., as well as Ironton, Ohio, and the aluminum reduction works at Alcoa, Tenn., were visited.

F. B. Moore spent the summer drilling for oil and gas in eastern Ohio.

J. F. Klein, J. F. Baxa and S. E. Ludena spent their summer with the Lakeshore Gold Mine at Kirkland Lake, Ontario.

J. W. Cole was with the Donner Steel Co. at Buffalo this summer.

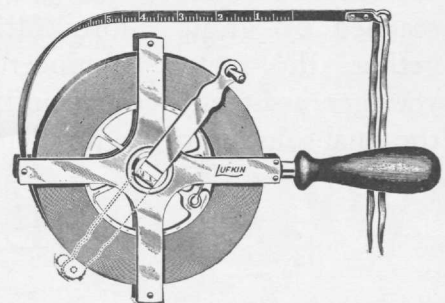
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